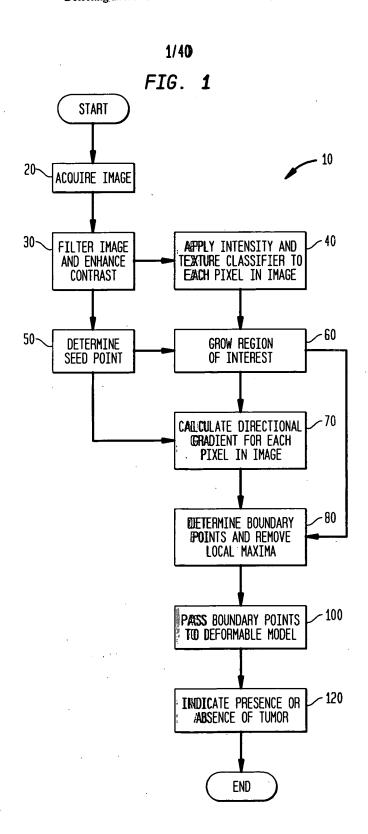
Inventor(s): Dimitris N. Metaxas and Anant

Madabhushi

Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

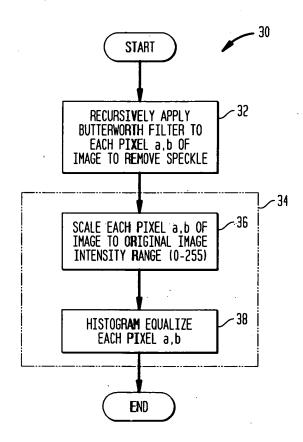




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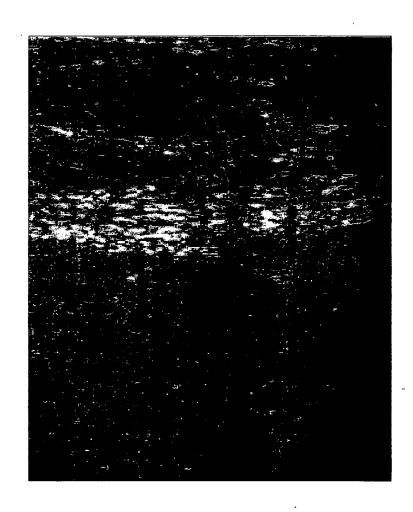
Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 2



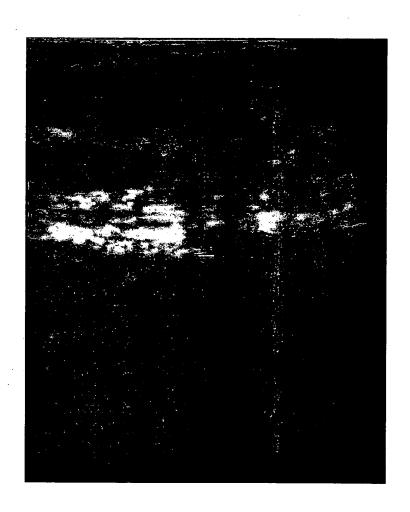
Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 3A



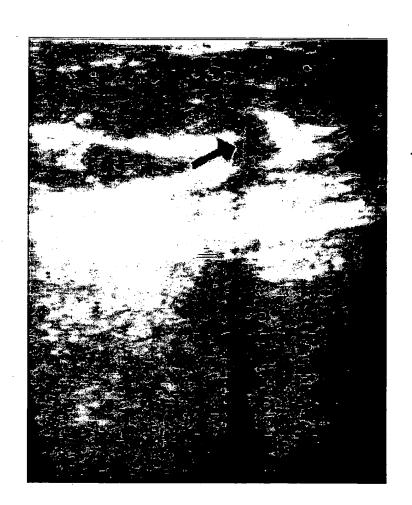
Serial No.: 10/736,455 Inventor(s): Dimitris N. Metaxas and Anant Madabhushi Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 3B



Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 3C

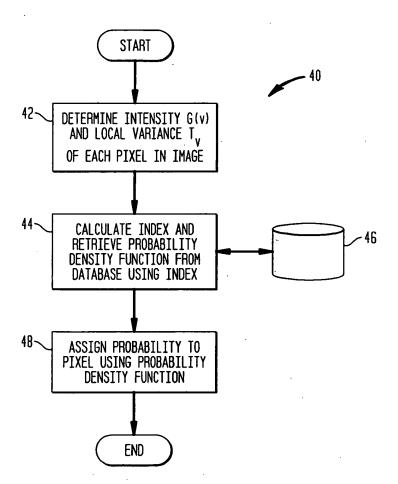


Inventor(s): Dimitris N. Metaxas and Anant

Madabhushi

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FIG. 4



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FIG. 5A

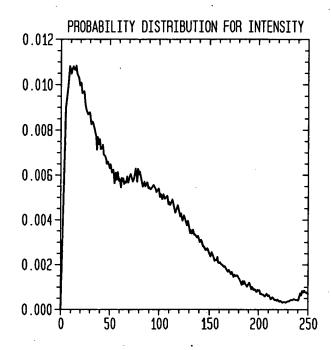
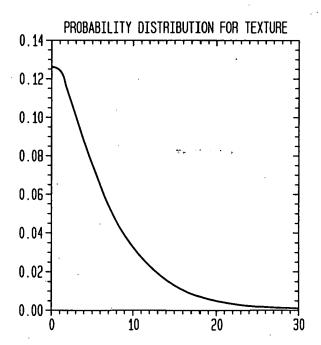


FIG. 5B



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FIG. 6A



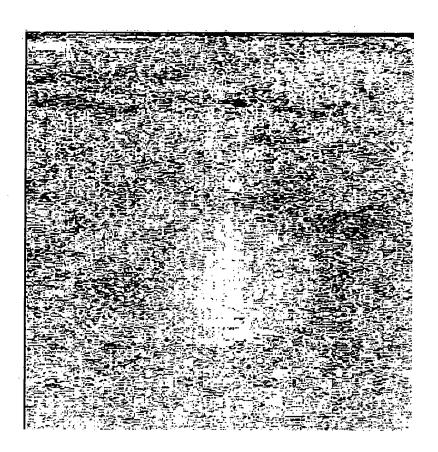
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FIG. 6B



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FIG. 6C



Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 6D



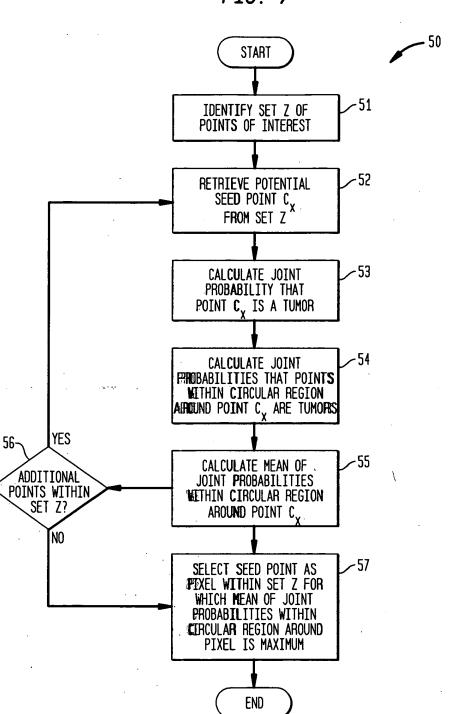
Inventor(s): Dimitris N. Metaxas and Anant

Madabhushi

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FIG. 7



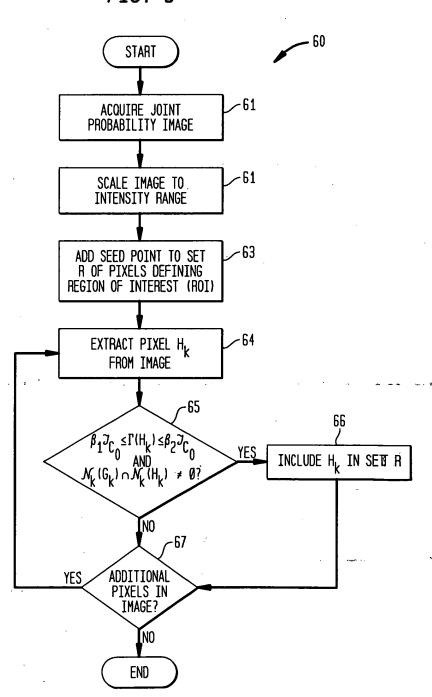
Inventor(s): Dimitris N. Metaxas and Anant

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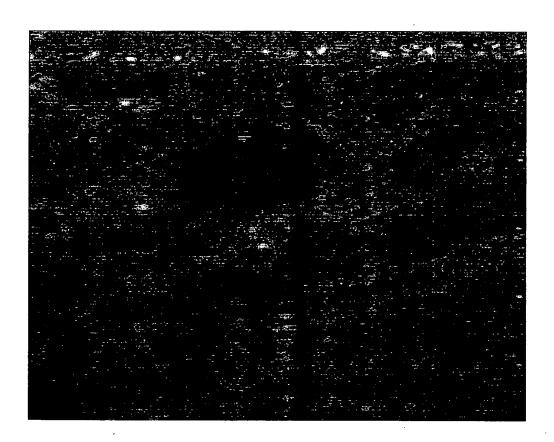
FIG. 8



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FIG. 9A



Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

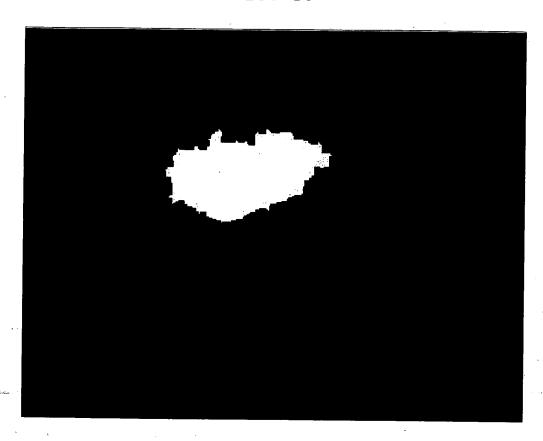
FIG. 9B



Inventor(s): Dimitris N. Metaxas and Anant Madabhushi

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FIG. 9C



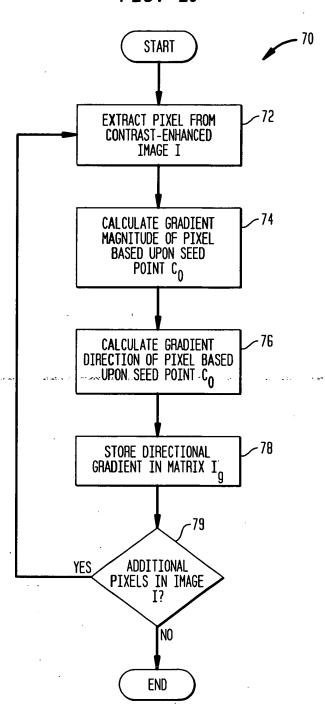
Inventor(s): Dimitris N. Metaxas and Anant

Madabhushi

Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

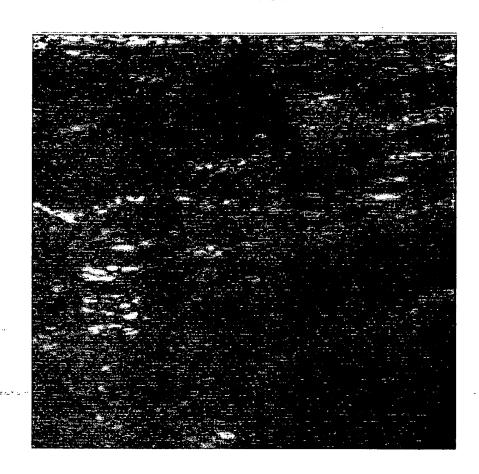
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FIG. 10



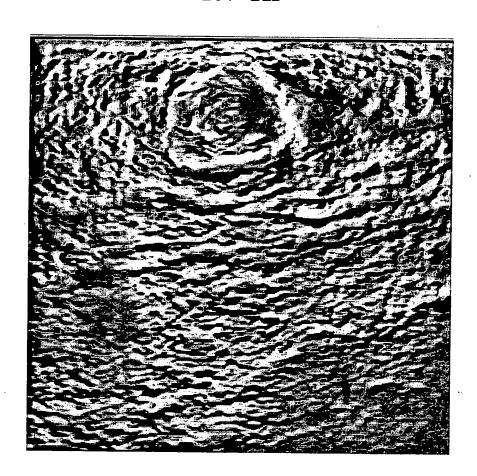
Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 11A



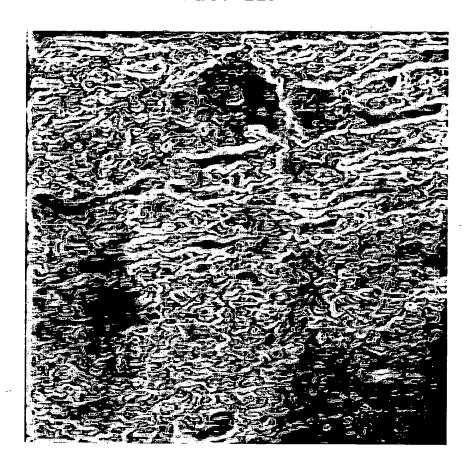
Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 11B



Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

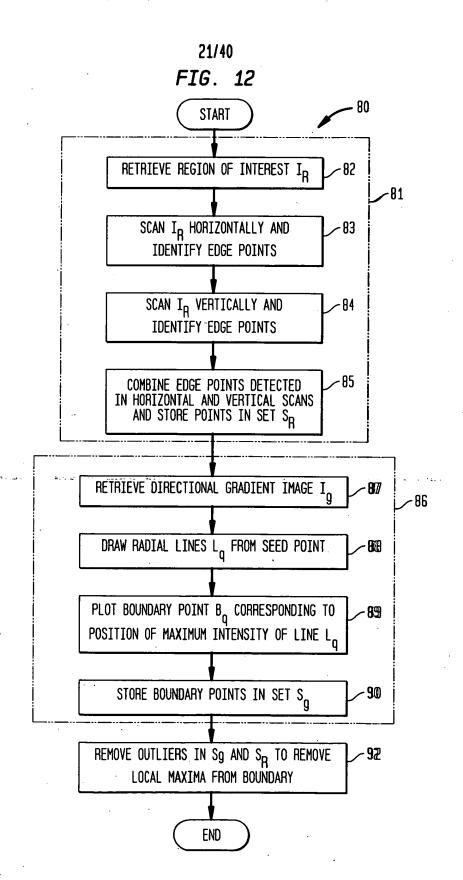
FIG. 11C



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FIG. 13A

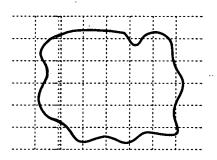
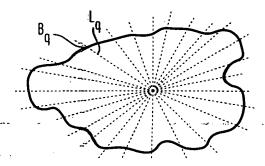


FIG. 13B



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FIG. 14A



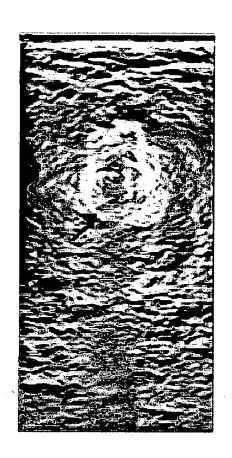
Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 14B



Serial No.: 10/736,455 Inventor(s): Dimitris N. Metaxas and Anant Madabhushi Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 14C



Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 14D



Inventor(s): Dimitris N. Metaxas and Anant

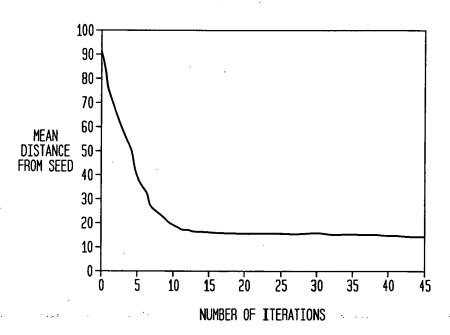
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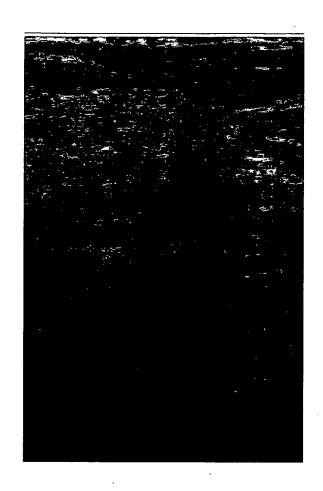
FIG. 15

## PLOT OF CONVERGENCE FOR BOUNDARY POINTS



Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 16A



Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

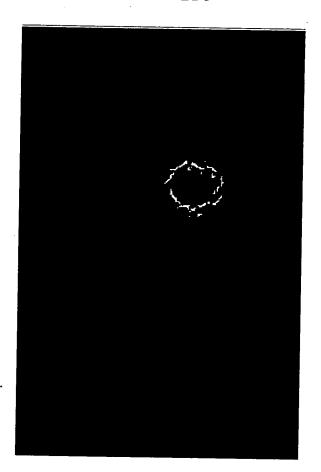
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FIG. 16B



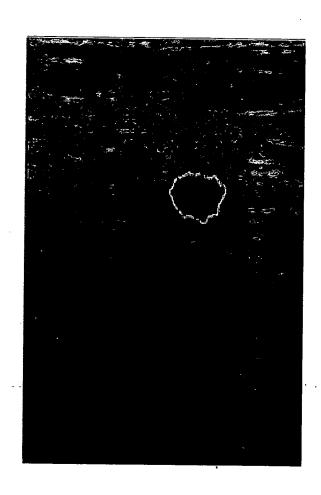
Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 16C



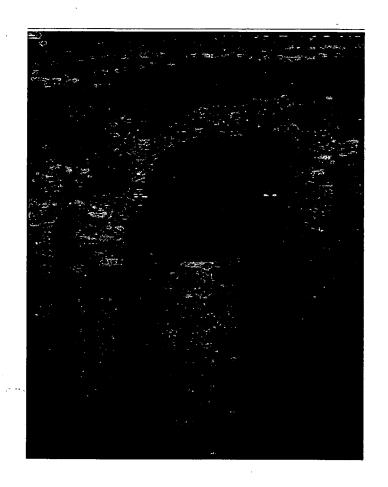
Serial No.: 10/736,455 Inventor(s): Dimitris N. Metaxas and Anant Madabhushi Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 16D



Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 17A



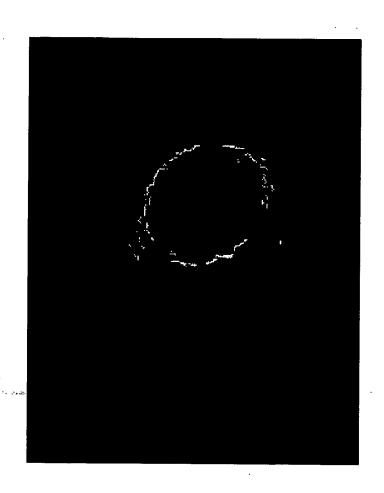
Title: Method and Apparatus for Automatically Detecting Exeast Lesions and Tumors in Images

FIG. 17B



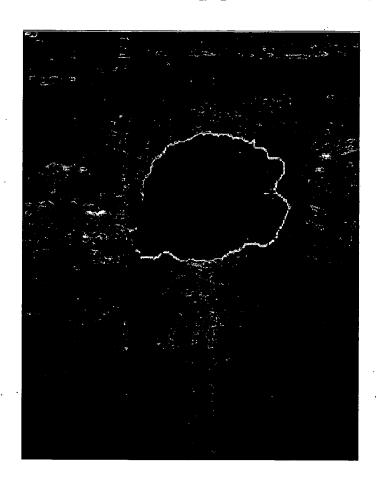
Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 17C



Title: Method and Apparatus for Automatically Detecting Eneast Lesions and Tumors in Images

FIG. 17D



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Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 18A



Serial No.: 10/736,455
Inventor(s): Dimitris N. Metaxas and Anant
Madabhushi
Title: Method and Apparatus for Automatically
Detecting Breast Lesions and Tumors in Images

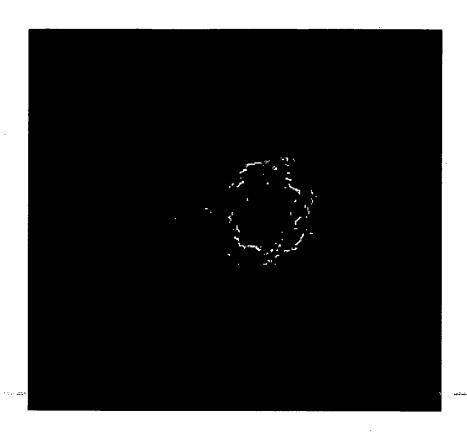
FIG. 18B



Madabhushi

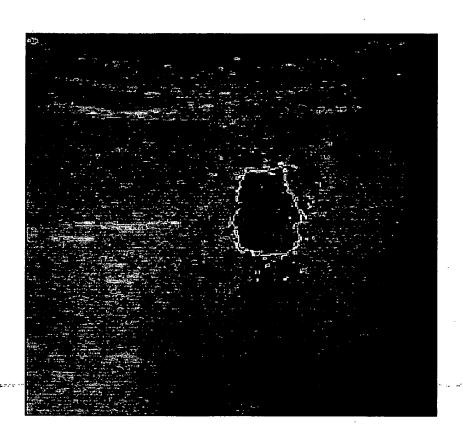
Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 18C



Title: Method and Apparatus for Automatically Detecting Breast Lesions and Tumors in Images

FIG. 18D

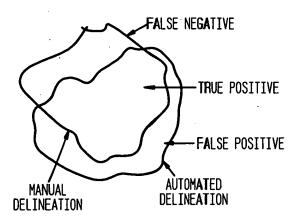


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FIG. 19



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